

HYDRAULIC TORQUE CONVERTER

ABSTRACT

1 A hydraulic torque converter, particularly for use
2 in a motor vehicle between the prime mover and the
3 transmission of the power train, employs a combination
4 of a bypass clutch with one or more torsional vibration
5 dampers which brings about savings in space and/or in
6 the number of parts. In addition, the torque converter
7 can stand long periods of use and is less prone to wear,
8 adverse influences of abruptly developing stresses and/or
9 other undesirable influences than conventional torque
10 converters. Furthermore, the improved torque converter
11 employs or can employ a bypass clutch and/or one or more
12 torsional vibration dampers simpler and less expensive
13 than but superior to those in conventional torque con-
14 verters.